

Author index

Volume 48 (1994)

- Allende, M.L., see Li, Y. 48, 229
- Bard, J.B.L., J.E. McConnell, J.A. Davies, Towards a genetic basis for kidney development 48, 3
- Bartholomä, A., K.-A. Nave, NEX-1: a novel brain-specific helix-loop-helix protein with autoregulation and sustained expression in mature cortical neurons 48, 217
- Bienz, M., see Christen, B. 48, 255
- Brunner, A., T. Twardzik, S. Schneuwly, The *Drosophila* giant lens gene plays a dual role in eye and optic lobe development: Inhibition of differentiation of ommatidial cells and interference in photoreceptor axon guidance 48, 175
- Casanova, J., M. Llimargas, S. Greenwood, G. Struhl, An oncogenic form of human *raf* can specify terminal body pattern in *Drosophila* 48, 59
- Christen, B., M. Bienz, Imaginal disc silencers from *Ultrabithorax*: evidence for *Polycomb* response elements 48, 255
- Conlon, F.L., see Ruiz, J.C. 48, 153
- Crews, S.T., see Lewis, J.O. 48, 81
- Davies, J.A., see Bard, J.B.L. 48, 3
- de Crombrughe, B., see Zhao, G.-Q. 48, 245
- Eberspaecher, H., see Zhao, G.-Q. 48, 245
- Falsafi, S., see Heberlein, U. 48, 35
- Finkelstein, R., see Li, Y. 48, 229
- Freeman, M., The *spitz* gene is required for photoreceptor determination in the *Drosophila* eye where it interacts with the EGF receptor 48, 25
- Greenwood, S., see Casanova, J. 48, 59
- Gudas, L.J., see Ho, L. 48, 165
- Gutjahr, T., C.E. Vanario-Alonso, L. Pick, M. Noll, Multiple regulatory elements direct the complex expression pattern of the *Drosophila* segmentation gene *paired* 48, 119
- Hackett, D., see Heberlein, U. 48, 35
- Heberlein, U., A. Penton, S. Falsafi, D. Hackett, G.M. Rubin, The C-terminus of the homeodomain is required for functional specificity of the *Drosophila* rough gene 48, 35
- Heikinheimo, M., A. Lawshé, G.M. Shackleford, D.B. Wilson, C.A. MacArthur, *Fgf-8* expression in the post-gastrulation mouse suggests roles in the development of the face, limbs and central nervous system 48, 129
- Helms, J.A., S. Kuratani, G.D. Maxwell, Cloning and analysis of a new developmentally regulated member of the basic helix-loop-helix family 48, 93
- Ho, L., K. Symes, C. Yordán, L.J. Gudas, M. Mercola, Localization of PDGF A and PDGFR α mRNA in *Xenopus* embryos suggests signalling from neural ectoderm and pharyngeal endoderm to neural crest cells 48, 165
- Janning, W., see Meise, M. 48, 109
- Kelsey, G., see Taraviras, S. 48, 67
- Kundu, R., see Liu, Y.-H. 48, 187
- Kuratani, S., see Helms, J.A. 48, 93
- Lawshé, A., see Heikinheimo, M. 48, 129
- Lewis, J.O., S.T. Crews, Genetic analysis of the *Drosophila* single-minded gene reveals a central nervous system influence on muscle development 48, 81
- Li, Y., M.L. Allende, R. Finkelstein, E.S. Weinberg, Expression of two zebrafish *orthodenticle*-related genes in the embryonic brain 48, 229
- Liu, Y.-H., L. Ma, L.-Y. Wu, W. Luo, R. Kundu, F. Sangiorgi, M.L. Snead, R. Maxson, Regulation of the *Msx2* homeobox gene during mouse embryogenesis: A transgene with 439 bp of 5' flanking sequence is expressed exclusively in the apical ectodermal ridge of the developing limb 48, 187
- Llimargas, M., see Casanova, J. 48, 59
- Luo, W., see Liu, Y.-H. 48, 187
- Ma, C., see Tio, M. 48, 13
- Ma, L., see Liu, Y.-H. 48, 187
- MacArthur, C.A., see Heikinheimo, M. 48, 129
- Mahon, K.A., see Wasner Robinson, G. 48, 199
- Maxson, R., see Liu, Y.-H. 48, 187
- Maxwell, G.D., see Helms, J.A. 48, 93
- McConnell, J.E., see Bard, J.B.L. 48, 3
- Meise, M., W. Janning, Localization of thoracic imaginal-disc precursor cells in the early embryo of *Drosophila melanogaster* 48, 109
- Mercola, M., see Ho, L. 48, 165
- Monaghan, A.P., see Taraviras, S. 48, 67
- Monsma, S.A., see Park, M. 48, 51
- Moses, K., see Tio, M. 48, 13
- Nave, K.-A., see Bartholomä, A. 48, 217
- Noll, M., see Gutjahr, T. 48, 119
- Park, M., S.A. Monsma, M.F. Wolfner, Two tightly-linked *Drosophila* male accessory gland transcripts with the same developmental expression derive from independent transcription units 48, 51
- Penton, A., see Heberlein, U. 48, 35
- Pick, L., see Gutjahr, T. 48, 119
- Robertson, E.J., see Ruiz, J.C. 48, 153
- Rubin, G.M., see Heberlein, U. 48, 35

- Ruiz, J.C., F.L. Conlon, E.J. Robertson, Identification of novel protein kinases expressed in the myocardium of the developing mouse heart 48, 153
- Sangiorgi, F., see Liu, Y.-H. 48, 187
- Schneuwly, S., see Brunner, A. 48, 175
- Schütz, G., see Taraviras, S. 48, 67
- Seldin, M.F., see Zhao, G.-Q. 48, 245
- Shackleford, G.M., see Heikinheimo, M. 48, 129
- Slack, J.M.W., see Song, J. 48, 141
- Snead, M.L., see Liu, Y.-H. 48, 187
- Song, J., J.M.W. Slack, Spatial and temporal expression of basic fibroblast growth factor (FGF-2) mRNA and protein in early *Xenopus* development 48, 141
- Struhl, G., see Casanova, J. 48, 59
- Symes, K., see Ho, L. 48, 165
- Taraviras, S., A.P. Monaghan, G. Schütz, G. Kelsey, Characterization of the mouse HNF-4 gene and its expression during mouse embryogenesis 48, 67
- Tio, M., C. Ma, K. Moses, *spitz*, a *Drosophila* homolog of transforming growth factor- α , is required in the founding photoreceptor cells of the compound eye facets 48, 13
- Twardzik, T., see Brunner, A. 48, 175
- Vanario-Alonso, C.E., see Gütjahr, T. 48, 119
- Wasner Robinson, G., K.A. Mahon, Differential and overlapping expression domains of *Dlx-2* and *Dlx-3* suggest distinct roles for *Distal-less* homeobox genes in craniofacial development 48, 199
- Weinberg, E.S., see Li, Y. 48, 229
- Wilson, D.B., see Heikinheimo, M. 48, 129
- Wolfner, M.F., see Park, M. 48, 51
- Wu, L.-Y., see Liu, Y.-H. 48, 187
- Yordán, C., see Ho, L. 48, 165
- Zhao, G.-Q., H. Eberspaecher, M.F. Seldin, B. de Crombrughe, The gene for the homeodomain-containing protein Cart-1 is expressed in cells that have a chondrogenic potential during embryonic development 48, 245

Subject index

Volume 48 (1994)

AIGF; Fibroblast growth factor; Mouse embryogenesis; *Fgf-8* 48, 129

Apical ectodermal ridge; Mouse development; Transgenic mice; Homeobox gene; *Msx2*; Promoter 48, 187

Autoregulation; bHLH proteins; Neurogenesis; Synaptogenesis; Brain-specific gene expression 48, 217

Autoregulation; Homeobox; Chimeric homeodomains; Eye development; DNA-binding 48, 35

Axon guidance; Photoreceptor; Eye development; Secretion; Cell death 48, 175

bFGF (FGF-2); *Xenopus*; Nuclear localization; Muscle development 48, 141

bHLH proteins; Autoregulation; Neurogenesis; Synaptogenesis; Brain-specific gene expression 48, 217

Body pattern; *raf*; *Drosophila*; Signal transduction; Torso; Terminalia 48, 59

Brain; Daughterless; Helix-loop-helix; Transcription; Vertebrate neurogenesis; Neural crest; Heart 48, 93

Brain-specific gene expression; bHLH proteins; Autoregulation; Neurogenesis; Synaptogenesis 48, 217

Branchial arches; *Distal-less (Dlx)*; Homeobox genes; Neural crest; Tooth development; Ear development; Conserved gene families; Craniofacial development 48, 199

Branchial arches; PDGF; Neural crest; Visceral arches; *Xenopus* 48, 165

Cartilage; Chondrogenesis; Homeobox; Embryonic 48, 245

Cell death; Axon guidance; Photoreceptor; Eye development; Secretion 48, 175

Cell lineage; Fate map; Precursor cells; Imaginal discs; Keilin's organ; Single-cell transplantation; *Drosophila* 48, 109

Chimeric homeodomains; Homeobox; Eye development; Autoregulation; DNA-binding 48, 35

Chondrogenesis; Cartilage; Homeobox; Embryonic 48, 245

Chromatin; Nuclear hormone receptor superfamily; Gene organization; Extraembryonic endoderm; Liver diverticulum; Kidney development 48, 67

CNS; Development; *Drosophila*; Muscle; Myogenesis; *Single-minded* 48, 81

Conserved gene families; *Distal-less (Dlx)*; Homeobox genes; Branchial arches; Neural crest; Tooth development; Ear development; Craniofacial development 48, 199

Craniofacial development; *Distal-less (Dlx)*; Homeobox genes; Branchial arches; Neural crest; Tooth development; Ear development; Conserved gene families 48, 199

Daughterless; Helix-loop-helix; Transcription; Vertebrate neurogenesis; Neural crest; Brain; Heart 48, 93

Development; CNS; *Drosophila*; Muscle; Myogenesis; *Single-minded* 48, 81

Diencephalon; Zebrafish; Forebrain; Midbrain; Telencephalon; Homeobox genes 48, 229

Distal-less (Dlx); Homeobox genes; Branchial arches; Neural crest; Tooth development; Ear development; Conserved gene families; Craniofacial development 48, 199

DNA-binding; Homeobox; Chimeric homeodomains; Eye development; Autoregulation 48, 35

Drosophila; EGF receptor; Eye development; *rhomboid*; Signal transduction; *spitz* 48, 25

Drosophila; *raf*; Body pattern; Signal transduction; Torso; Terminalia 48, 59

Drosophila; CNS; Development; Muscle; Myogenesis; *Single-minded* 48, 81

Drosophila; Fate map; Precursor cells; Imaginal discs; Keilin's organ; Cell lineage; Single-cell transplantation 48, 109

Drosophila; Gene regulation; *Paired*; Pair-rule gene; Segmentation 48, 119

***Drosophila* eye development**; Morphogenetic furrow; Retina; *spitz*; Transforming growth factor- α 48, 13

***Drosophila* homeotic gene**; Silencing; Imaginal disc enhancers; *Polycomb* response elements; *Vestigial* 48, 255

Ear development; *Distal-less (Dlx)*; Homeobox genes; Branchial arches; Neural crest; Tooth development; Conserved gene families; Craniofacial development 48, 199

EGF receptor; *Drosophila*; Eye development; *rhomboid*; Signal transduction; *spitz* 48, 25

Embryonic; Chondrogenesis; Cartilage; Homeobox 48, 245

Extraembryonic endoderm; Nuclear hormone receptor superfamily; Gene organization; Liver diverticulum; Kidney development; Chromatin 48, 67

Eye development; Axon guidance; Photoreceptor; Secretion; Cell death 48, 175

Eye development; *Drosophila*; EGF receptor; *rhomboid*; Signal transduction; *spitz* 48, 25

Eye development; Homeobox; Chimeric homeodomains; Autoregulation; DNA-binding 48, 35

Fate map; Precursor cells; Imaginal discs; Keilin's organ; Cell lineage; Single-cell transplantation; *Drosophila* 48, 109

Fgf-8; AIGF; Fibroblast growth factor; Mouse embryogenesis 48, 129

Fibroblast growth factor; AIGF; Mouse embryogenesis; *Fgf-8* 48, 129

Forebrain; Zebrafish; Midbrain; Diencephalon; Telencephalon; Homeobox genes 48, 229

Gene fusion; Male-specific; Promoter; Gene regulation 48, 51

Gene organization; Nuclear hormone receptor superfamily; Extraembryonic endoderm; Liver diverticulum; Kidney development; Chromatin 48, 67

Gene regulation; *Drosophila*; *Paired*; Pair-rule gene; Segmentation 48, 119

Gene regulation; Male-specific; Promoter; Gene fusion 48, 51

Heart; Daughterless; Helix-loop-helix; Transcription; Vertebrate neurogenesis; Neural crest; Brain 48, 93

Helix-loop-helix; Daughterless; Transcription; Vertebrate neurogenesis; Neural crest; Brain; Heart 48, 93

Homeobox; Chimeric homeodomains; Eye development; Autoregulation; DNA-binding 48, 35

Homeobox; Chondrogenesis; Cartilage; Embryonic 48, 245

Homeobox gene; Mouse development; Transgenic mice; *Msx2*; Promoter; Apical ectodermal ridge 48, 187

Homeobox genes; *Distal-less (Dlx)*; Branchial arches; Neural crest; Tooth development; Ear development; Conserved gene families; Craniofacial development 48, 199

Homeobox genes; Mesenchyme-to-epithelial transition; Kidney; Mouse; Nephrogenesis; Regulatory genes; Stem cells; Transcription factors 48, 3

Homeobox genes; Zebrafish; Forebrain; Midbrain; Diencephalon; Telencephalon 48, 229

Imaginal disc enhancers; Silencing; *Drosophila* homeotic gene; *Polycomb* response elements; *Vestigial* 48, 255

Imaginal discs; Fate map; Precursor cells; Keilin's organ; Cell lineage; Single-cell transplantation; *Drosophila* 48, 109

Keilin's organ; Fate map; Precursor cells; Imaginal discs; Cell lineage; Single-cell transplantation; *Drosophila* 48, 109

Kidney; Mesenchyme-to-epithelial transition; Homeobox genes; Mouse; Nephrogenesis; Regulatory genes; Stem cells; Transcription factors 48, 3

Kidney development; Nuclear hormone receptor superfamily; Gene organization; Extraembryonic endoderm; Liver diverticulum; Chromatin 48, 67

Liver diverticulum; Nuclear hormone receptor superfamily; Gene organization; Extraembryonic endoderm; Kidney development; Chromatin 48, 67

Male-specific; Promoter; Gene fusion; Gene regulation 48, 51

Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Mouse; Nephrogenesis; Regulatory genes; Stem cells; Transcription factors 48, 3

Midbrain; Zebrafish; Forebrain; Diencephalon; Telencephalon; Homeobox genes 48, 229

Morphogenetic furrow; *Drosophila* eye development; Retina; *spitz*; Transforming growth factor- α 48, 13

Mouse; Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Nephrogenesis; Regulatory genes; Stem cells; Transcription factors 48, 3

Mouse development; Transgenic mice; Homeobox gene; *Msx2*; Promoter; Apical ectodermal ridge 48, 187

Mouse embryogenesis; AIGF; Fibroblast growth factor; *Fgf-8* 48, 129

Msx2; Mouse development; Transgenic mice; Homeobox gene; Promoter; Apical ectodermal ridge 48, 187

Muscle; CNS; Development; *Drosophila*; Myogenesis; *Single-minded* 48, 81

Muscle development; *Xenopus*; bFGF (FGF-2); Nuclear localization 48, 141

Myocardial cell differentiation; Receptor; Protein tyrosine kinase; Protein serine/threonine kinase 48, 153

Myogenesis; CNS; Development; *Drosophila*; Muscle; *Single-minded* 48, 81

Nephrogenesis; Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Mouse; Regulatory genes; Stem cells; Transcription factors 48, 3

Neural crest; *Distal-less (Dlx)*; Homeobox genes; Branchial arches; Tooth development; Ear development; Conserved gene families; Craniofacial development 48, 199

Neural crest; Daughterless; Helix-loop-helix; Transcription; Vertebrate neurogenesis; Brain; Heart 48, 93

Neural crest; PDGF; Visceral arches; Branchial arches; *Xenopus* 48, 165

Neurogenesis; bHLH proteins; Autoregulation; Synaptogenesis; Brain-specific gene expression 48, 217

Nuclear hormone receptor superfamily; Gene organization; Extraembryonic endoderm; Liver diverticulum; Kidney development; Chromatin 48, 67

Nuclear localization; *Xenopus*; bFGF (FGF-2); Muscle development 48, 141

Pair-rule gene; *Drosophila*; Gene regulation; *Paired*; Segmentation 48, 119

***Paired*; *Drosophila*; Gene regulation; Pair-rule gene; Segmentation** 48, 119

PDGF; Neural crest; Visceral arches; Branchial arches; *Xenopus* 48, 165

Photoreceptor; Axon guidance; Eye development; Secretion; Cell death 48, 175

Polycomb* response elements; Silencing; *Drosophila* homeotic gene; Imaginal disc enhancers; *Vestigial 48, 255

Precursor cells; Fate map; Imaginal discs; Keilin's organ; Cell lineage; Single-cell transplantation; *Drosophila* 48, 109

Promoter; Male-specific; Gene fusion; Gene regulation. 48, 51

Promoter; Mouse development; Transgenic mice; Homeobox gene; *Msx2*; Apical ectodermal ridge 48, 187

Protein serine/threonine kinase; Receptor; Protein tyrosine kinase; Myocardial cell differentiation 48, 153

Protein tyrosine kinase; Receptor; Protein serine/threonine kinase; Myocardial cell differentiation 48, 153

***raf*; *Drosophila*; Body pattern; Signal transduction; Torso; Terminalia** 48, 59

Receptor; Protein tyrosine kinase; Protein serine/threonine kinase; Myocardial cell differentiation 48, 153

Regulatory genes; Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Mouse; Nephrogenesis; Stem cells; Transcription factors 48, 3

Retina; *Drosophila* eye development; Morphogenetic furrow; *spitz*; Transforming growth factor- α 48, 13

rhomboid*; *Drosophila*; EGF receptor; Eye development; Signal transduction; *spitz 48, 25

Secretion; Axon guidance; Photoreceptor; Eye development; Cell death 48, 175

Segmentation; *Drosophila*; Gene regulation; *Paired*; Pair-rule gene 48, 119

Signal transduction; *raf*; *Drosophila*; Body pattern; Torso; Terminalia 48, 59

Signal transduction; *Drosophila*; EGF receptor; Eye development; *rhomboid*; *spitz* 48, 25

Silencing; *Drosophila* homeotic gene; Imaginal disc enhancers; *Polycomb* response elements; *Vestigial* 48, 255

Single-cell transplantation; Fate map; Precursor cells; Imaginal discs; Keilin's organ; Cell lineage; *Drosophila* 48, 109

***Single-minded*; CNS; Development; *Drosophila*; Muscle; Myogenesis** 48, 81

***spitz*; *Drosophila* eye development; Morphogenetic furrow; Retina; Transforming growth factor- α** 48, 13

***spitz*; *Drosophila*; EGF receptor; Eye development; *rhomboid*; Signal transduction** 48, 25

Stem cells; Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Mouse; Nephrogenesis; Regulatory genes; Transcription factors 48, 3

Synaptogenesis; bHLH proteins; Autoregulation; Neurogenesis; Brain-specific gene expression 48, 217

Telencephalon; Zebrafish; Forebrain; Midbrain; Diencephalon; Homeobox genes 48, 229

Terminalia; *raf*; *Drosophila*; Body pattern; Signal transduction; Torso 48, 59

Tooth development; *Distal-less (Dlx)*; Homeobox genes; Branchial arches; Neural crest; Ear development; Conserved gene families; Craniofacial development 48, 199

Torso; *raf*; *Drosophila*; Body pattern; Signal transduction; Terminalia 48, 59

Transcription; Daughterless; Helix-loop-helix; Vertebrate neurogenesis; Neural crest; Brain; Heart 48, 93

Transcription factors; Mesenchyme-to-epithelial transition; Homeobox genes; Kidney; Mouse; Nephrogenesis; Regulatory genes; Stem cells 48, 3

Transforming growth factor- α ; *Drosophila* eye development; Morphogenetic furrow; Retina; *spitz* 48, 13

Transgenic mice; Mouse development; Homeobox gene; *Msx2*; Promoter; Apical ectodermal ridge 48, 187

Vertebrate neurogenesis; Daughterless; Helix-loop-helix; Transcription; Neural crest; Brain; Heart 48, 93

***Vestigial*; Silencing; *Drosophila* homeotic gene; Imaginal disc enhancers; *Polycomb* response elements** 48, 255

Visceral arches; PDGF; Neural crest; Branchial arches; *Xenopus* 48, 165

Xenopus; bFGF (FGF-2); Nuclear localization; Muscle development 48, 141

Xenopus; PDGF; Neural crest; Visceral arches; Branchial arches 48, 165

Zebrafish; Forebrain; Midbrain; Diencephalon; Telencephalon; Homeobox genes 48, 229

